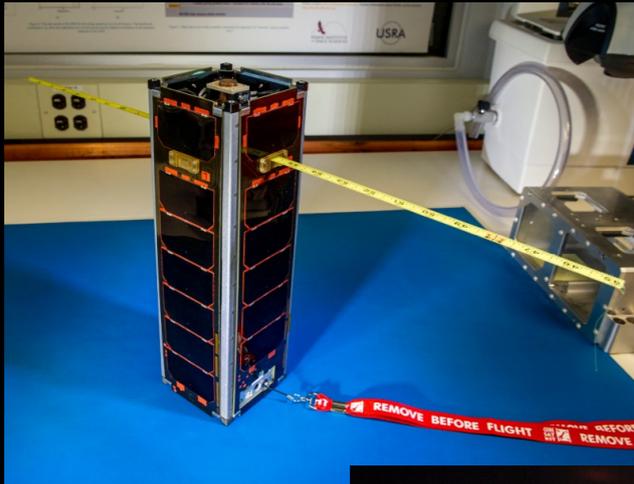
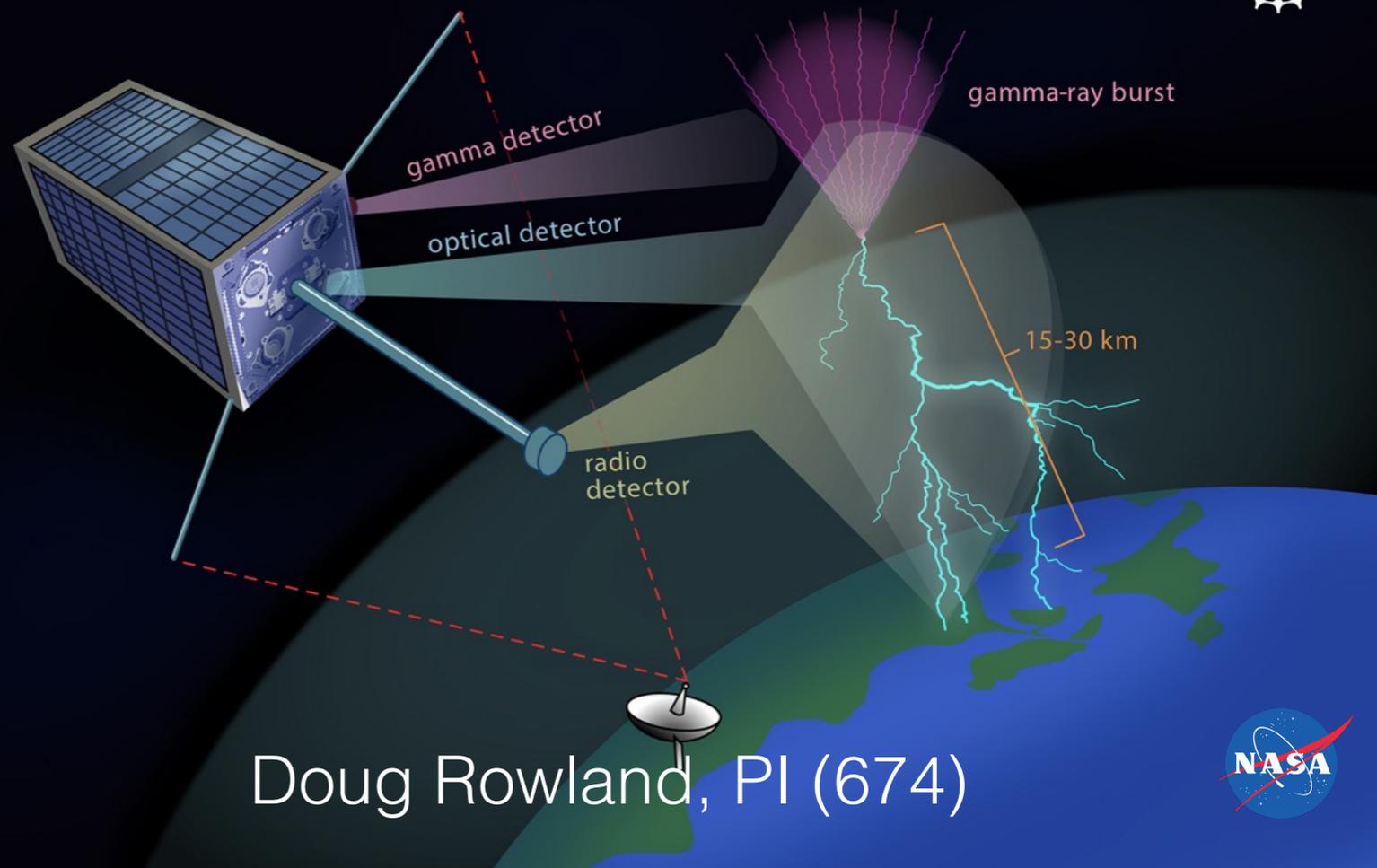


NASA/GSFC and NSF Led CubeSat Studying Terrestrial Gamma-ray Flashes (TGFs)



Firefly

500 km
above
ground



- Firefly has been operational since launch on Nov 19, 2013, almost 1 year in orbit.
- Firefly is exploring the relationship between lightning and intense bursts of radiation called Terrestrial Gamma Ray Flashes (TGFs), which result when the Earth's atmosphere accelerates electrons up to tens of MeV in less than one millisecond.
- To date, Firefly has captured over 60 science "snapshots" of high resolution measurements to study lightning and gamma ray activity.

- Firefly is the first GSFC CubeSat.
- Wallops did an excellent job locating Firefly in the sky and supporting communication passes.
- The Firefly team won a 2014 NASA Group Achievement Award.